

PLUS Search Results for S/N 09362982 Searched Sep 14, 2006.

The Patent Linguistic Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

5928294  
6169495  
5673039  
5777565  
5962833  
5991689  
5878361  
6087963  
6097313  
6115652  
6151550  
6169940  
6246955  
4994971  
5367463  
5524974  
5589827  
5663880  
5761630  
5777451  
5818356  
5854987  
5878362  
5928299  
5942993  
5950161  
6032098  
6081756  
6097476  
6111539  
6141609  
6169515  
6188315  
4493103  
4522546  
4948246  
5257023  
5337082  
5359529  
5440923  
5479348  
5508931  
5645338  
5652522  
5660454  
5663548  
5695020  
5710702  
5742923  
5752214

WEST.txt

(5928294 6169495 5673039 5777565 5962833 5991689 5878361 6087963 6097313 6115652  
6151550 6169940 6246955 4994971 5367463 5524974 5589827 5663880 5761630 5777451  
5818356 5854987 5878362 5928299 5942993 5950161 6032098 6081756 6097476 6111539  
6141609 6169515 6188315 4493103 4522546 4948246 5257023 5337082 5359529 5440923  
5479348 5508931 5645338 5652522 5660454 5663548 5695020 5710702 5742923 5752214  
) .pn.

5928294 6169495 5673039 5777565 5962833 5991689 5878361 6087963 6097313 6115652  
6151550 6169940 6246955 4994971 5367463 5524974 5589827 5663880 5761630 5777451  
5818356 5854987 5878362 5928299 5942993 5950161 6032098 6081756 6097476 6111539  
6141609 6169515 6188315 4493103 4522546 4948246 5257023 5337082 5359529 5440923  
5479348 5508931 5645338 5652522 5660454 5663548 5695020 5710702 5742923 5752214

QUAL.txt

|         |    |
|---------|----|
| 5928294 | 99 |
| 6169495 | 99 |
| 5673039 | 98 |
| 5777565 | 98 |
| 5962833 | 98 |
| 5991689 | 98 |
| 5878361 | 98 |
| 6087963 | 98 |
| 6097313 | 98 |
| 6115652 | 98 |
| 6151550 | 98 |
| 6169940 | 98 |
| 6246955 | 98 |
| 4994971 | 98 |
| 5367463 | 98 |
| 5524974 | 98 |
| 5589827 | 98 |
| 5663880 | 98 |
| 5761630 | 98 |
| 5777451 | 98 |
| 5818356 | 98 |
| 5854987 | 98 |
| 5878362 | 98 |
| 5928299 | 98 |
| 5942993 | 98 |
| 5950161 | 98 |
| 6032098 | 98 |
| 6081756 | 98 |
| 6097476 | 98 |
| 6111539 | 98 |
| 6141609 | 98 |
| 6169515 | 98 |
| 6188315 | 98 |
| 4493103 | 98 |
| 4522546 | 98 |
| 4948246 | 98 |
| 5257023 | 98 |
| 5337082 | 98 |
| 5359529 | 98 |
| 5440923 | 98 |
| 5479348 | 98 |
| 5508931 | 98 |
| 5645338 | 98 |
| 5652522 | 98 |
| 5660454 | 98 |
| 5663548 | 98 |
| 5695020 | 98 |
| 5710702 | 98 |
| 5742923 | 98 |
| 5752214 | 98 |

about 5  
above 8  
abstract 1  
accept 1  
accompanying 1  
according 10  
accordingly 13  
accounting 6  
achieve 1  
addition 1  
allow 2  
also 9  
alter 1  
among 2  
analysis 3  
and 122  
antennas 5  
any 2  
apparatus 43  
apparatuses 5  
application 2  
applied 1  
appm 1  
are 8  
art 1  
assigned 2  
attachable 1  
atus 1  
automatic 10  
automatically 4  
background 1  
balance 5  
based 2  
becomes 3  
been 4  
being 14  
best 1  
between 18  
block 8  
brief 1  
bymaking 1  
bythe 1  
can 28  
card 28  
carried 1  
carrying 1  
case 1  
caused 1  
char 1  
charge 1  
charged 4  
charges 7  
chart 10  
chip 1  
cipher 1  
circuit 1  
circumstances 1  
claim 24  
claims 2  
clear 3  
code 5  
codes 2  
coincides 1

collect 2  
collecting 4  
common 2  
communicated 6  
communication 72  
communications 5  
completion 1  
comprises 1  
comprising 3  
confirm 1  
contents 3  
control 28  
conventional 2  
corresponding 1  
correspondingly 1  
damage 1  
damaged 1  
data 2  
decode 4  
decoded 1  
decodes 7  
decoding 8  
described 17  
description 2  
descriptive 1  
desired 2  
detachable 1  
detail 1  
details 1  
deteriorates 1  
deterioration 1  
determine 1  
developed 1  
device 52  
diagram 12  
different 2  
difficult 4  
disclose 1  
display 2  
displaying 1  
displays 1  
does 2  
drawings 2  
driven 1  
during 4  
each 11  
easily 2  
effect 4  
effected 5  
effects 3  
electronic 15  
embodiment 26  
embodiments 2  
encoded 3  
encrypt 4  
encrypted 15  
encrypting 3  
encryption 52  
encrypts 7  
entrance 6  
example 6  
executed 1  
exists 2

exit 5  
facilities 3  
falsify 3  
field 1  
fig 24  
first 25  
flat 1  
flow 15  
for 30  
form 9  
from 16  
further 14  
gate 10  
gates 2  
general 2  
great 2  
ground 1  
group 1  
has 4  
have 1  
having 4  
held 2  
hereinafter 3  
however 4  
ice 1  
identification 2  
identify 1  
identifying 1  
iii 1  
illegally 1  
image 4  
impossible 1  
improve 2  
improved 4  
improvement 1  
improving 1  
include 2  
includes 2  
including 9  
increases 1  
independently 3  
indicates 1  
informat 1  
information 163  
inherent 1  
input 6  
inquiries 1  
inquiry 1  
installed 4  
intended 3  
intercommunication 4  
interrogator 1  
into 3  
inve 1  
invention 21  
irregularities 1  
japanese 2  
jli 1  
kept 1  
key 11  
keys 2  
kind 2  
known 1

laid 2  
large 2  
leak 1  
leakage 2  
leaks 1  
least 4  
left 5  
like 6  
load 1  
located 7  
long 1  
made 8  
maintained 9  
maintains 1  
making 2  
manner 2  
may 2  
means 99  
mechanism 1  
memory 2  
mid 3  
minimum 1  
modes 1  
mounted 74  
must 3  
mutual 1  
mutually 10  
namely 1  
not 5  
number 3  
object 3  
objects 1  
one 10  
only 3  
open 2  
order 4  
other 1  
out 3  
output 14  
outputs 4  
outputted 3  
over 1  
page 18  
paid 1  
particularly 1  
passes 5  
patent 2  
payment 2  
person 3  
perspective 1  
plurality 1  
portion 4  
portions 1  
post 1  
pre 1  
predetermined 1  
present 12  
problem 2  
process 9  
processing 7  
proposed 2  
protected 6  
provide 2

provided 11  
provider 2  
providing 2  
quantity 2  
radio 2  
read 2  
reason 2  
receiv 1  
receive 2  
received 14  
receiving 20  
recent 1  
reception 4  
reference 1  
referred 2  
regarding 7  
relates 1  
relationship 1  
relay 5  
relayed 2  
relaying 1  
relays 3  
require 1  
respect 9  
respectively 2  
responder 1  
responding 1  
restrained 1  
result 5  
resulting 5  
results 1  
retained 1  
road 93  
route 5  
routine 5  
running 1  
said 3  
same 4  
schematic 1  
second 23  
secrecy 15  
secret 6  
section 1  
securitteof 1  
security 17  
see 2  
sentence 2  
serves 2  
set 1  
show 1  
showing 3  
shown 1  
shows 20  
side 45  
simple 4  
since 1  
specification 1  
state 1  
stopping 1  
stor 1  
storage 7  
stored 14  
stores 5



storing 1  
structure 6  
structured 1  
substrate 3  
such 9  
system 15  
technical 1  
temporarily 3  
that 32  
the 338  
then 1  
there 8  
therebetween 1  
thereby 7  
therefore 9  
therein 5  
thereof 4  
these 2  
third 7  
this 3  
through 7  
thus 1  
together 1  
toll 22  
tolls 1  
traffic 2  
transfer 13  
transferred 11  
transferring 2  
transmit 1  
transmits 1  
transmitted 19  
transmitting 13  
ttn 1  
type 3  
unchanged 5  
unlawfully 1  
unrelated 1  
until 1  
used 5  
user 29  
users 3  
uses 4  
using 8  
utilize 1  
utilizes 1  
vehicle 105  
vehicles 1  
view 2  
was 1  
well 2  
when 6  
whereby 1  
wherein 10  
which 31  
will 2  
with 32  
without 6  
write 2  
writing 4  
written 2  
yagi 1  
years 1

EAST.txt

(5928294  
6169495  
5673039  
5777565  
5962833  
5991689  
5878361  
6087963  
6097313  
6115652  
6151550  
6169940  
6246955  
4994971  
5367463  
5524974  
5589827  
5663880  
5761630  
5777451  
5818356  
5854987  
5878362  
5928299  
5942993  
5950161  
6032098  
6081756  
6097476  
6111539  
6141609  
6169515  
6188315  
4493103  
4522546  
4948246  
5257023  
5337082  
5359529  
5440923  
5479348  
5508931  
5645338  
5652522  
5660454  
5663548  
5695020  
5710702  
5742923  
5752214  
) .pn.

Most frequently occurring classifications of patents returned  
from a search of 09362982 on Sep 14, 2006

## Original Classifications

|   |         |
|---|---------|
| 4 | 701/41  |
| 2 | 701/117 |
| 2 | 340/905 |
| 2 | 340/928 |
| 2 | 235/384 |
| 2 | 701/210 |
| 2 | 701/23  |
| 2 | 701/35  |
| 2 | 701/207 |
| 2 | 362/466 |

## Cross-Reference Classifications

|   |         |
|---|---------|
| 5 | 340/903 |
| 5 | 340/905 |
| 5 | 701/208 |
| 4 | 701/117 |
| 4 | 701/301 |
| 4 | 235/384 |
| 4 | 340/988 |
| 4 | 701/217 |
| 3 | 340/933 |
| 3 | 701/118 |
| 3 | 340/928 |
| 3 | 235/375 |
| 3 | 701/201 |
| 3 | 701/210 |
| 3 | 701/96  |
| 3 | 342/457 |
| 3 | 73/178R |
| 2 | 701/24  |
| 2 | 180/168 |
| 2 | 340/932 |
| 2 | 701/23  |
| 2 | 701/1   |
| 2 | 701/70  |
| 2 | 340/902 |
| 2 | 180/169 |
| 2 | 340/942 |

## Combined Classifications

|   |         |
|---|---------|
| 7 | 340/905 |
| 6 | 701/117 |
| 6 | 235/384 |
| 5 | 340/903 |
| 5 | 701/301 |
| 5 | 340/928 |
| 5 | 701/210 |
| 5 | 701/208 |
| 4 | 340/933 |
| 4 | 701/41  |
| 4 | 701/23  |
| 4 | 340/988 |
| 4 | 701/217 |
| 3 | 701/24  |
| 3 | 701/118 |
| 3 | 235/375 |
| 3 | 701/201 |
| 3 | 701/96  |

CLS.txt

3 701/1  
3 342/457  
3 180/169  
3 701/207  
3 73/178R  
2 180/168  
2 318/587  
2 340/932  
2 701/209  
2 701/28  
2 701/35  
2 73/146  
2 701/70  
2 340/902  
2 340/942  
2 342/357.1  
2 362/466

CLSTITLES.txt

Titles of most frequently occurring classifications of patents returned  
from a search of 09362982 on Sep 14, 2006

- 7 340/905 (2 OR, 5 XR)  
Class 340 COMMUNICATIONS: ELECTRICAL  
340/901 .EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR OR ALARM  
340/905 ..Highway information (e.g., weather, speed limits, etc.)
- 6 701/117 (2 OR, 4 XR)  
Class 701 DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION  
701/1 .VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION  
701/117 ..Traffic analysis or control of surface vehicle
- 6 235/384 (2 OR, 4 XR)  
Class 235 REGISTERS  
235/375 .SYSTEMS CONTROLLED BY DATA BEARING RECORDS  
235/384 ..Transportation
- 5 340/903 (0 OR, 5 XR)  
Class 340 COMMUNICATIONS: ELECTRICAL  
340/901 .EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR OR ALARM  
340/902 ..Transmitter in another vehicle (e.g., emergency vehicle)  
340/903 ...Relative distance between vehicles (e.g., collision  
alert)
- 5 701/301 (1 OR, 4 XR)  
Class 701 DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION  
701/300 .RELATIVE LOCATION  
701/301 ..Collision avoidance
- 5 340/928 (2 OR, 3 XR)  
Class 340 COMMUNICATIONS: ELECTRICAL  
340/907 .TRAFFIC CONTROL INDICATOR  
340/928 ..Combined (e.g., toll systems, one-way)
- 5 701/210 (2 OR, 3 XR)  
Class 701 DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION  
701/200 .NAVIGATION  
701/207 ..Employing position determining equipment  
701/208 ...For use in a map data base system  
701/209 ....Including route searching or determining device  
701/210 .....Route correction, modification, or verification
- 5 701/208 (0 OR, 5 XR)  
Class 701 DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION  
701/200 .NAVIGATION  
701/207 ..Employing position determining equipment  
701/208 ...For use in a map data base system
- 4 340/933 (1 OR, 3 XR)  
Class 340 COMMUNICATIONS: ELECTRICAL  
340/933 .VEHICLE DETECTORS
- 4 701/41 (4 OR, 0 XR)  
Class 701 DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION  
701/1 .VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION  
701/36 ..Vehicle subsystem or accessory control  
701/41 ...Steering control
- 4 701/23 (2 OR, 2 XR)  
Class 701 DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION  
701/1 .VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION

- 701/23           ..Automatic route guidance vehicle
- 4 340/988       (0 OR, 4 XR)  
     Class 340    COMMUNICATIONS: ELECTRICAL  
     340/988      ..VEHICLE POSITION INDICATION
- 4 701/217       (0 OR, 4 XR)  
     Class 701    DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION  
     701/200      ..NAVIGATION  
     701/207      ..Employing position determining equipment  
     701/217      ...Using dead-reckoning apparatus
- 3 701/24        (1 OR, 2 XR)  
     Class 701    DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION  
     701/1        ..VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION  
     701/23       ..Automatic route guidance vehicle  
     701/24       ...On-board computer interact with a host computer
- 3 701/118       (0 OR, 3 XR)  
     Class 701    DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION  
     701/1        ..VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION  
     701/117      ..Traffic analysis or control of surface vehicle  
     701/118      ...With determination of traffic density
- 3 235/375       (0 OR, 3 XR)  
     Class 235    REGISTERS  
     235/375      ..SYSTEMS CONTROLLED BY DATA BEARING RECORDS
- 3 701/201       (0 OR, 3 XR)  
     Class 701    DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION  
     701/200      ..NAVIGATION  
     701/201      ...Determination of travel data based on the start point and  
 destination point
- 3 701/96        (0 OR, 3 XR)  
     Class 701    DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION  
     701/1        ..VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION  
     701/70       ..Indication or control of braking, acceleration, or  
 deceleration  
     701/93       ...Vehicle speed control (e.g., cruise control)  
     701/96       ...Having inter-vehicle distance or speed control
- 3 701/1         (1 OR, 2 XR)  
     Class 701    DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION  
     701/1        ..VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION
- 3 342/457       (0 OR, 3 XR)  
     Class 342    COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES  
     (E.G., RADAR, RADIO NAVIGATION)  
     342/350      ..DIRECTIVE  
     342/450      ..Position indicating (e.g., triangulation)  
     342/457      ...Land vehicle location (e.g., bus, police car)
- 3 180/169       (1 OR, 2 XR)  
     Class 180    MOTOR VEHICLES  
     180/167      ..WITH MEANS FOR CONTROLLING OPERATION RESPONSIVE TO  
 ELECTROMAGNETIC RADIATION, MAGNETIC FORCE, OR SOUND WAVES RECEIVED FROM SOURCE, OR  
 REFLECTED FROM OBJECT OR SURFACE, LOCATED APART FROM VEHICLE  
     180/169      ...Radiation, force, or waves reflected from external object  
 or surface
- 3 701/207       (2 OR, 1 XR)  
     Class 701    DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION  
     701/207      ..Indication or control of braking, acceleration, or

701/200 .NAVIGATION  
701/207 ..Employing position determining equipment

3 73/178R (0 OR, 3 XR)  
Class 73 MEASURING AND TESTING  
73/178R .NAVIGATION

2 180/168 (0 OR, 2 XR)  
Class 180 MOTOR VEHICLES  
180/167 .WITH MEANS FOR CONTROLLING OPERATION RESPONSIVE TO  
ELECTROMAGNETIC RADIATION, MAGNETIC FORCE, OR SOUND WAVES RECEIVED FROM SOURCE, OR  
REFLECTED FROM OBJECT OR SURFACE, LOCATED APART FROM VEHICLE  
180/168 ..Having controlling means adapted to interact with  
stationary means which describes course of vehicle's travel

2 318/587 (1 OR, 1 XR)  
Class 318 ELECTRICITY: MOTIVE POWER SYSTEMS  
318/560 .POSITIONAL SERVO SYSTEMS (E.G., SERVOMECHANISMS)  
318/580 ..Vehicular guidance systems with single axis control  
318/587 ...Land vehicles

2 340/932 (0 OR, 2 XR)  
Class 340 COMMUNICATIONS: ELECTRICAL  
340/907 .TRAFFIC CONTROL INDICATOR  
340/932 ..Pacing (e.g., vehicle keeps pace with sequentially  
activated lights)

2 701/209 (1 OR, 1 XR)  
Class 701 DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION  
701/200 .NAVIGATION  
701/207 ..Employing position determining equipment  
701/208 ...For use in a map data base system  
701/209 ....Including route searching or determining device

2 701/28 (1 OR, 1 XR)  
Class 701 DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION  
701/1 .VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION  
701/23 ...Automatic route guidance vehicle received from source, or  
701/28 ...Having image processing in vehicle

2 701/35 (2 OR, 0 XR)  
Class 701 DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION  
701/1 .VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION  
701/29 ..Vehicle diagnosis or maintenance indication  
701/35 ...With data recording device

2 73/146 (1 OR, 1 XR)  
Class 73 MEASURING AND TESTING  
73/146 ..TIRE, TREAD OR ROADWAY

2 701/70 (0 OR, 2 XR)  
Class 701 DATA PROCESSING: VEHICLES, NAVIGATION, AND RELATIVE LOCATION  
701/1 .VEHICLE CONTROL, GUIDANCE, OPERATION, OR INDICATION  
701/70 ..Indication or control of braking, acceleration, or  
deceleration

2 340/902 (0 OR, 2 XR)  
Class 340 COMMUNICATIONS: ELECTRICAL  
340/901 .EXTERNAL CONDITION VEHICLE-MOUNTED INDICATOR OR ALARM  
340/902 ..Transmitter in another vehicle (e.g., emergency vehicle)

2 340/942 (0 OR, 2 XR)  
Class 340 COMMUNICATIONS: ELECTRICAL

CLSTITLES.txt

340/933 .VEHICLE DETECTORS  
340/942 ..Photoelectric

2 342/357.1 (1 OR, 1 XR)  
Class 342 COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS AND DEVICES  
(E.G., RADAR, RADIO NAVIGATION)  
342/350 .DIRECTIVE  
342/352 ..Including a satellite  
342/357.01 ...With position indicating  
342/357.06 ....Using Global Positioning Satellite (GPS or Glonass)  
342/357.1 .....Combined with telecommunication

2 362/466 (2 OR, 0 XR)  
Class 362 ILLUMINATION  
362/459 .SUPPORTED BY VEHICLE STRUCTURE (E.G., ESPECIALLY ADAPTED  
FOR VEHICLE)  
362/464 ..Condition responsive (e.g., position)  
362/465 ...Automatically adjusted headlamp beam  
362/466 ....Computer controlled